A.Lanfranco & Associates Inc.
Environmental Consultants

Prepared for

METRO VANCOUVER

Metrotower III
4515 Central Boulevard
Burnaby, BC V5H 0C6

Waste-to-Energy Facility

First Quarter 2026 Emissions Test Report

Operational Certificate 107051

Prepared by Mr. Daryl Sampson

Issued: April 10, 2026

CERTIFICATION

The field monitoring for this survey was conducted by certified stack test technicians as required by the British Columbia Ministry of Environment and Parks (BC MOE) Field Sampling Manual.

The field crew consisted of:

Mr. S. Verby (certified), Mr. D. Sampson (certified), Mr. J. Ching (certified), Mr. L. Forrer (certified), Mr J. Gibbs (certified), Mr. B. Boulanger, and Mr. J. Dennis.

The report was prepared by Mr. D. Sampson using reporting principles and guidelines generally acceptable to Metro Vancouver (MV).

The field crew and A. Lanfranco and Associates Inc. certify that the test methods used were BC MOE/MV approved reference methods for the parameters investigated.

Report reviewed on April 10, 2026, by:

Mr. Mark Lanfranco
President | Owner

TEST PROGRAM ORGANIZATION

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SUMMARY

The following table displays the emission results from the three units located at Metro Vancouver's Waste-To-Energy Facility (WTEF) as well as the current emission limits as defined by the Operational Certificate (OC) issued by BC Ministry of Environment and Parks. This compliance survey represents the first quarter of 2026.

Table 1: Summary Comparison of Emissions Test Results with Limits

Parameter	Limit	Unit 1	Unit 2	Unit 3	Facility Average
Test Date		March 5-6, 2026	4-Feb-26	Feb 4-5, 2026	
Particulate (mg/Sm^3 @ 11% O_2)	**9.0**	1.34	1.56	0.52	**1.14**
Hydrogen Fluoride (mg/Sm^3 @ 11% O_2)	**1.0**	0.28	0.23	0.25	**0.26**
Trace Metals - OC Class (mg/Sm^3 @ 11% O_2)					
Lead (Pb)	**-**	0.0005	0.0016	0.0008	**0.0010**
Arsenic (As)	**-**	0.0021	0.0010	0.0010	**0.0013**
Chromium (Cr)	**-**	0.0004	0.0008	0.0029	**0.0014**
OC Class Sum (Pb, As and Cr)	**0.064**	0.0030	0.0035	0.0046	**0.0037**
Mercury (mg/Sm^3 @ 11% O_2)	**0.02**	0.000041	0.000068	0.000039	**0.00005**
Cadmium (mg/Sm^3 @ 11% O_2)	**0.007**	0.000177	0.000095	0.000081	**0.00012**

All data is corrected to standard conditions (S) of 20 °C, 101.325 kPa (dry) unless otherwise noted.

Emissions in Q-1 2026 were higher than Q-4 2025 for most parameters**;** however, at these concentrations variability in the microgram range is not significant**.** Mercury and cadmium decreased slightly**.** All results remain well below regulatory limits and in line with historical averages.

1 INTRODUCTION

Metro Vancouver (MV) commissioned an emission survey at the Waste-To-Energy Facility (WTEF) in Burnaby BC, as required by the provincially approved Operational Certificate (OC). Stationary source monitoring is required Quarterly.

The individual sources that were monitored for compliance are identified as Unit 1, Unit 2 and Unit 3 which represent the three distinct processing lines at the WTEF. The three boilers are identified as discharge E300670 in the operational certificate.

The survey included monitoring for: filterable particulate matter, trace metals, mercury (Hg), hydrogen fluoride (HF), ammonia (NH_3), nitrous oxide (N_2O) and volatile organic compounds (VOC).

A. Lanfranco and Associates Inc. (Lanfranco), of Surrey, B.C., conducted the sampling program on behalf of MV. The sampling program consisted of, but was not limited to, the planning, execution, analysis, and reporting of three emission sources located at the WTEF.

This report includes a comparison of emission results to limits established in the OC, detailed emission results, a brief outline of methods employed, equipment used, and a discussion of the survey. All supporting data and appendices are presented under separate cover.

The appendices for this report, including computer outputs of calculated data, analytical data, field data sheets, calibrations, and professional certifications are issued separately.

2 METHODOLOGY

All services provided by A. Lanfranco and Associates Inc. were conducted in accordance with approved reference methods as issued by:

- Metro Vancouver (MV)
- BC Ministry of Environment and Parks (BC MOE)
- Environment Canada (EC)
- US Environmental Protection Agency (EPA)

2.1 Sampling and Analytical Methods

The following table lists the test methods used for the different parameters measured. The subsequent paragraphs briefly describe each method.

Table 2: Reference Methods

Parameter	Reference Method
Sample and Velocity traverse points	EPS 1/RM/8 A Determination of Sampling Site and Traverse Points
Velocity and flowrate	EPS 1/RM/8 B Determination of Stack Gas Velocity and Volumetric Flow Rate (Type S Pitot Tube)
Gas molecular weight (O_2/CO_2)	EPS 1/RM/8 C Determination of Molecular Weight by Gas Analysis
Flue gas Moisture	EPS 1/RM/8 D Determination of Moisture Content
Particulate Matter	EPS 1/RM/8 E Determination of Particulate Matter Emissions from Stationary Sources
Trace Metals with Mercury	EPA Method 29 Determination of Metals Emissions from Stationary Sources
HF, HCl, NH_3	EPA Method 26A EPA Method 26 Determination of Hydrogen Halide and Halogen Emissions from Stationary Sources (non-isokinetic)
Nitrous Oxide (N_2O)	US EPA Method 18
Volatile Organic Compounds (VOC)	EPA Method TO-15 Determination of Volatile Organic Compounds in Air

Sampling Site and Traverse Points

Primary: EPS 1/RM/8 Method A

Supporting: EPA Method 1

This method is designed to aid in the representative measurement of pollutant emissions and/or total volumetric flow rate from a stationary source. A measurement site where the effluent stream is flowing in a known direction is selected, and the cross-section of the stack is divided into a number of equal areas. Traverse points are then located within each of these equal areas.

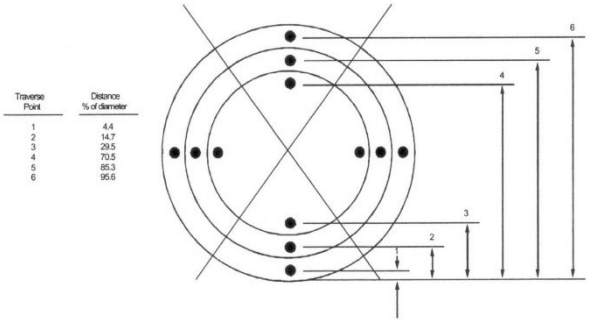

Figure 1: Example showing circular stack cross section divided

Stack Gas Velocity and Volumetric Flow Rate

Primary: EPS 1/RM/8 Method B

Supporting: EPA Method 2

The average gas velocity in a stack or duct is determined from the gas density and from the measurement of velocity pressure with an S-type pitot tube. A standard pitot tube may be used where plugging of the tube openings due to particulate matter and/or moisture is not likely to occur. Stack gas volumetric flow rate is determined from measurements of stack gas velocity, temperature, absolute pressure, dry gas composition, moisture content, and stack diameter.

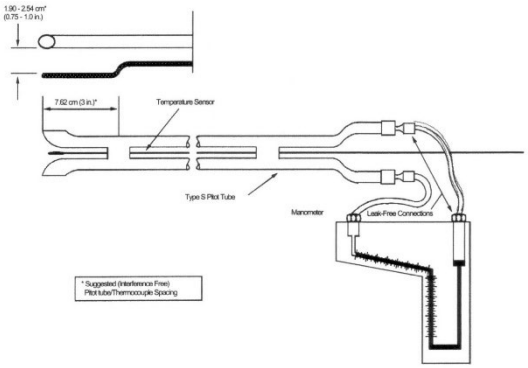

Figure 2: Type S Pitot Tube Manometer Assembly

Molecular Weight by Gas Analysis — Primary: EPS 1/RM/8 Method C; Supporting: EPA Method 3

An integrated or grab sample is extracted from a single point in the gas stream and analyzed for its components using a Fyrite analyzer, a gas chromatograph, or calibrated continuous analyzers.

Moisture Content — Primary: EPS 1/RM/8 Method D; Supporting: EPA Method 4

A gas sample is extracted from a single point in the enclosed gas stream being sampled. The moisture is condensed, and its weight measured. This weight, together with the volume of gas sampled, enables the stack gas moisture content to be calculated.

Particulate Matter — Primary: EPS 1/RM/8 Method E; Supporting: EPA Method 5

Particulate matter is withdrawn isokinetically from a number of sampling or traverse points in an enclosed gas stream. The particulate sample is collected in the nozzle, probe, and on a glass fibre filter, all maintained at a temperature of 120 ± 14°C or such other temperature as is necessary to prevent blinding of the filter from condensation. The particulate weight is determined gravimetrically after removal of uncombined water. Simultaneous determinations of the gas stream moisture content, velocity, temperature, and molecular weight allow calculations of the particulate concentration and the particulate mass emission or release rate to be made.

Trace Metal Primary: EPA Method 29 (modified)

This method is used in conjunction with the above Method 5. A stack sample is withdrawn isokinetically from the source. Particulate emissions are collected in the probe and on a heated filter, and gaseous emissions are then collected in an aqueous acidic solution of hydrogen peroxide (analyzed for all metals including Hg) and an aqueous acidic solution of potassium permanganate (analyzed only for Hg). The recovered samples are digested, and appropriate fractions are analyzed for Hg by cold vapour atomic absorption spectroscopy (CVAAS). The remaining trace metals are analyzed with inductively coupled argon plasma emission spectroscopy (ICAP), atomic absorption spectroscopy (AAS) and graphite furnace atomic absorption spectroscopy (GFAAS). Figure 3 presents the sample train and its configuration.

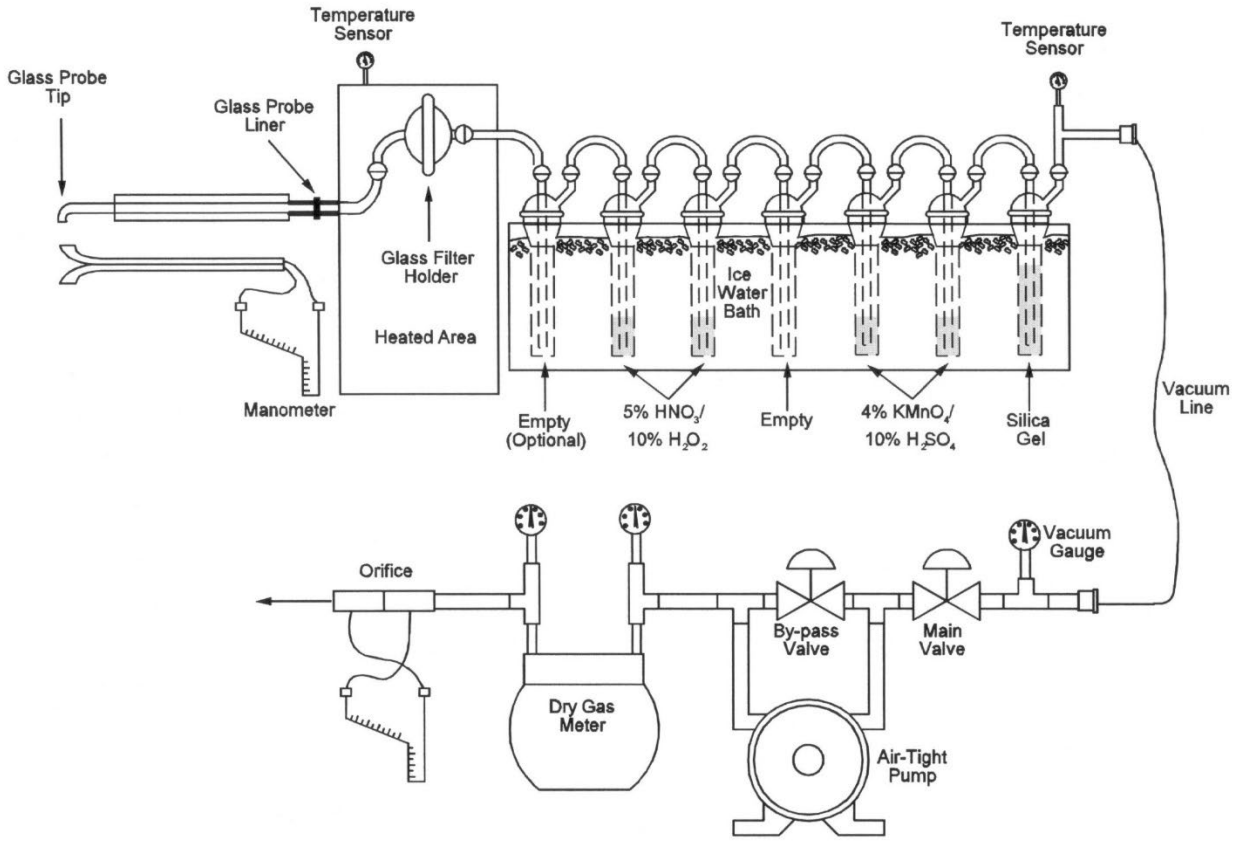

Figure 3: Particulate / Trace Metals Sampling Train

Hydrogen Fluoride, Hydrogen Chloride, and Ammonia Primary: EPA 26A

US EPA Method 26A. This sample train consisted of a heated glass probe with heated glass fiber filter, and two impingers containing 25 mL of 0.1N H2SO4. Samples were collected for 60 minutes at about two liters per minute.The collected samples are measured for F by ion chromatography at Element laboratory in Surrey, BC.

N_2O Primary: US EPA Method 18

Three N_2O samples were collected from each source using evacuated tedlar bag sampling procedures. Each bag was purged and evacuated on-site with small amounts of stack gas, prior to final stack gas collection. Each bag sample was an integrated type of sample where stack gases were collected over sixty minute periods. The bag sampling was conducted over about a four hour period.

The samples were analyzed at Bureau Veritas in Mississauga, ON by SOP-00203 utilizing GC/ECD.

Method Modifications

Three minor method modifications were instituted for this work.

1. Reagent blanks for metals trains were made to the same volumes as all samples. In other words, exactly 100 ml of the various reagents used to recover samples was NOT done, as some sample components (probe washing for example) required more than 100 ml to adequately clean and rinse the probe. Instead, sample recovery was conducted with however much rinsing was deemed adequate. In the laboratory, the blanks and samples were made up with the appropriate reagent so that all samples and blanks were the same volume.

2. Filter and residue weighing were not conducted with the six-hour interval technique. Instead, the sample filters and beakers were conditioned with cooling and desiccation and then weighed on two separate laboratory scales after 24 hours. Duplicate or triplicate Blank samples were carried through the gravimetric analysis, and the sample results were adjusted with the Blank data to determine the net filter and probe wash residue weight gain. This is the Environment Canada approved modified approach for weighing probe wash residue.

3. For the purposes of calculating a result, all parameters were given the value of ½ the detection limit when the analysis yielded 'non-detect' results.

All results are expressed using the metric system and corrected to standard conditions of 20 °C and 101.325 kPa, dry gas (unless otherwise noted).

3 DETAILED TEST RESULTS

The results of stack emissions were calculated using a "STACK" computer program developed by A. Lanfranco and Associates for BC MOE requirements.

Tables 3-14 present the detailed results of all emissions parameters tested and operational conditions for each of the units. Additional data and the computer outputs can be found in the accompanying Appendices.

Table 3: Unit 1 Summary of Emission Test Results

Parameter	Run 1	Run 2	Run 3	Average
Test Date - Particulate/Metals	5-Mar-26	6-Mar-26	6-Mar-26	
Test Time - Particulate/Metals	11:12 - 13:13	09:10 - 11:11	11:29 - 13:31	
Duration - Minutes	120	120	120	
Test Date - Acid Gases	6-Mar-26	6-Mar-26	6-Mar-26	
Test Time - Acid Gases	09:40 - 10:40	10:53 - 11:53	12:03 - 13:03	
Duration - Minutes	60	60	60	
Stack Temperature (°C)	150	155	152	152
Average Gas Velocity (m/s)	12.8	14.7	14.6	14.1
Dry Flow Rate (Sm^3/min)	1101	1230	1254	1195
Moisture (Vol. %)	15.4	16.7	14.8	15.6
Oxygen (Vol. %)(dry basis)	9.51	9.41	10.25	9.73
Carbon Dioxide (Vol. %)(dry basis)	10.3	10.5	9.50	10.1
Particulate (mg/Sm^3 @ 11% O_2)	1.75	1.16	1.09	1.34
Hydrogen Fluoride (mg/Sm^3 @ 11% O_2)	0.14	0.58	0.13	0.284
Hydrogen Chloride (mg/Sm^3 @ 11% O_2)	1.18	16.3	0.41	6.0
Ammonia (mg/Sm^3 @ 11% O_2)	0.01	5.58	0.05	1.9
Nitrous Oxide (mg/Sm^3 @ 11% O_2)	5.10	6.00	5.11	5.40
Total Hydrocarbons (mg/Sm^3 @ 11% O_2)	6.15	6.75	4.40	5.76
Trace Metals - Operational Certificate List (mg/Sm^3 @ 11% O_2)				
OC Class (Pb, As and Cr)	0.00417	0.00354	0.00117	0.00296
Aluminum (mg/Sm^3 @ 11% O_2)	0.00858	0.01072	0.00993	0.00974
Cadmium (mg/Sm^3 @ 11% O_2)	0.00032	0.00013	0.00008	0.00018
Lead (mg/Sm^3 @ 11% O_2)	0.00051	0.00046	0.00050	0.00049
Mercury (mg/Sm^3 @ 11% O_2)	0.00004	0.00004	0.00004	0.000041
Phosphorus (mg/Sm^3 @ 11% O_2)	0.00961	0.00766	0.00165	0.00631
Isokinetic Variation (%)	105	104	102	104

All data is corrected to standard conditions (S) of 20˚C, 101.325 kPa (dry) unless otherwise noted.

Table 4: Unit 1 Trace Metals Emissions (OC Class)

Metal	Test 1 (mg/m^3 @ 11% O_2)	Test 2 (mg/m^3 @ 11% O_2)	Test 3 (mg/m^3 @ 11% O_2)	Average (mg/m^3 @ 11% O_2)
OC Class				
Pb	0.00051	0.00046	0.00050	0.00049
As	0.00292	0.00291	0.00033	0.00205
Cr	0.00074	0.00017	0.00034	0.00042
Sum of OC Class	0.00417	0.00354	0.00117	0.00296
Other				
Al	0.00858	0.01072	0.00993	0.00974
Cd	0.00032	0.00013	0.00008	0.00018
P	0.00961	0.00766	0.00165	0.00631
Hg	0.00004	0.00004	0.00004	0.00004

All data is corrected to standard conditions (S) of 20˚C, 101.325 kPa (dry) unless otherwise noted.

Table 5: Unit 1 Detailed Trace Metals Emissions

Metal	Test 1 (mg/m^3 @ 11% O_2)	Test 2 (mg/m^3 @ 11% O_2)	Test 3 (mg/m^3 @ 11% O_2)	Average (mg/m^3 @ 11% O_2)
Pb	0.00051	0.00046	0.00050	0.00049
Sb	0.00086	0.00077	0.00083	0.00082
Cu	0.00009	0.00008	0.00119	0.00045
Mn	0.01469	0.00092	0.00116	0.00559
V	0.00034	0.00046	0.00033	0.00038
Zn	0.01133	0.00656	0.00797	0.00862
As	0.00292	0.00291	0.00033	0.00205
Cr	0.00074	0.00017	0.00034	0.00042
Co	0.00009	0.00022	0.00008	0.00013
Ni	0.00112	0.00038	0.00256	0.00135
Se	0.00051	0.00046	0.00050	0.00049
Te	0.00398	0.00061	0.00453	0.00304
Tl	0.00051	0.00046	0.00050	0.00049
Cd	0.00032	0.00013	0.00008	0.00018
Hg	0.00004	0.00004	0.00004	0.00004

All data is corrected to standard conditions (S) of 20˚C, 101.325 kPa (dry) unless otherwise noted.

Table 4: Unit 1 - Summary of Operating Data

Parameter		Run 1	Run 2	Run 3	Normal
Test Date - Particulate/Metals		5-Mar-26	6-Mar-26	6-Mar-26	
Test Time - Particulate/Metals		11:12 - 13:13	09:10 - 11:11	11:29 - 13:31	
Boiler Steam Production	(kg/h)	34,765	35,940	34,801	36,792
		94%	98%	95%	
Percentage of normal	(%)				
Boiler Secondary Combustion Zone Temp	(°C)	947	946	949	940
Percentage of normal	(%)	101%	101%	101%	
Rate of refuse fired	(kg/hr)	10,377	10,728	10,388	10,982
Percentage of normal	(%)	94%	98%	95%	
Rate of aux. fuel fired (Natural Gas)	m^3/hr	0	0	0	61
Percentage of normal (%)	(%)	0%	0%	0%	

*Normal refers to the average operating rate from the previous 30 days

Table 5: Unit 2 Summary of Emission Test Results

Parameter	Run 1	Run 2	Run 3	Average
Test Date - Particulate/Metals	4-Feb-26	4-Feb-26	4-Feb-26	
Test Time - Particulate/Metals	08:56 - 10:58	11:30 - 13:32	13:46 - 15:48	
Duration - Minutes	120	120	120	
Test Date - Acid Gases	4-Feb-25	4-Feb-25	4-Feb-25	
Test Time - Acid Gases	10:00 - 11:00	11:15 - 12:15	12:20 - 13:20	
Duration - Minutes	60	60	60	
Stack Temperature (°C)	152	152	155	153
Average Gas Velocity (m/s)	12.1	12.2	11.8	12.0
Dry Flow Rate (Sm^3/min)	1041	1048	1050	1046
Moisture (Vol. %)	16.2	16.7	12.9	15.3
Oxygen (Vol. %)(dry basis)	9.49	8.98	10.18	9.55
Carbon Dioxide (Vol. %)(dry basis)	10.02	10.50	10.03	10.18
Particulate (mg/Sm^3 @ 11% O_2)	1.83	0.83	2.01	1.56
Hydrogen Fluoride (mg/Sm^3 @ 11% O_2)	0.238	0.191	0.268	0.232
Hydrogen Chloride (mg/Sm^3 @ 11% O_2)	14.0	26.8	56.2	32.3
Ammonia (mg/Sm^3 @ 11% O_2)	1.22	2.84	9.00	4.36
Nitrous Oxide (mg/Sm^3 @ 11% O_2)*	11.60	13.69	15.39	13.56
Total Hydrocarbons (mg/Sm^3 @ 11% O_2)	7.75	12.38	6.34	8.82
Trace Metals - Operational Certificate List (mg/Sm^3 @ 11% O_2)				
OC Class (Pb, As and Cr)	0.00699	0.00150	0.00193	0.00348
Aluminum (mg/Sm^3 @ 11% O_2)	0.01871	0.01431	0.01181	0.01494
Cadmium (mg/Sm^3 @ 11% O_2)	0.00009	0.00009	0.00010	0.00009
Lead (mg/Sm^3 @ 11% O_2)	0.00369	0.00055	0.00059	0.00161
Mercury (mg/Sm^3 @ 11% O_2)	0.00005	0.00005	0.00011	0.00007
Phosphorus (mg/Sm^3 @ 11% O_2)	0.00075	0.00092	0.00098	0.00088
Isokinetic Variation (%)	101	102	99.3	101

All data is corrected to standard conditions (S) of 20 ˚C, 101.325 kPa (dry) unless otherwise noted.

Table 6: Unit 2 Trace Metals Emissions (OC Class)

Metal	Test 1 (mg/m^3 @ 11% O_2)	Test 2 (mg/m^3 @ 11% O_2)	Test 3 (mg/m^3 @ 11% O_2)	Average (mg/m^3 @ 11% O_2)
OC Class				
Pb	0.0037	0.0006	0.0006	0.0016
As	0.0023	0.0004	0.0004	0.0010
Cr	0.0010	0.0006	0.0009	0.0008
Sum of OC Class	0.0070	0.0015	0.0019	0.0035
Other				
Al	0.01871	0.01431	0.01181	0.0149
Cd	0.00009	0.00009	0.00010	0.0001
P	0.00075	0.00092	0.00098	0.0009
Hg	0.00005	0.00005	0.00011	0.00007

All data is corrected to standard conditions (S) of 20˚C, 101.325 kPa (dry) unless otherwise noted.

Table 7: Unit 2 Detailed Trace Metals Emissions

Metal	Test 1 (mg/m^3 @ 11% O_2)	Test 2 (mg/m^3 @ 11% O_2)	Test 3 (mg/m^3 @ 11% O_2)	Average (mg/m^3 @ 11% O_2)
Pb	0.00369	0.00055	0.00059	0.00161
Sb	0.00299	0.00083	0.00246	0.00209
Cu	0.00026	0.00132	0.00114	0.00091
Mn	0.00120	0.00029	0.00047	0.00065
V	0.00037	0.00037	0.00039	0.00038
Zn	0.01269	0.00514	0.00543	0.00775
As	0.00232	0.00037	0.00039	0.00103
Cr	0.00099	0.00059	0.00094	0.00084
Co	0.00008	0.00009	0.00009	0.00009
Ni	0.00127	0.00059	0.00087	0.00091
Se	0.00741	0.00310	0.00502	0.00518
Te	0.00075	0.00073	0.00079	0.00076
Tl	0.00241	0.00281	0.00262	0.00261
Cd	0.00009	0.00009	0.00010	0.00009
Hg	0.00005	0.00005	0.00011	0.00007

All data is corrected to standard conditions (S) of 20˚C, 101.325 kPa (dry) unless otherwise noted.

Table 8: Unit 2 - Summary of Operating Data

Parameter		Run 1	Run 2	Run 3	Normal
Test Date - Particulate/Metals		4-Feb-26	4-Feb-26	4-Feb-26	
Test Time - Particulate/Metals		08:56 - 10:58	11:30 - 13:32	13:46 - 15:48	
Boiler Steam Production	(kg/h)	38,289	38,234	37,853	37,406
Percentage of normal	(%)	102%	102%	101%	
Boiler Secondary Combustion Zone Temp	(°C)	897	918	928	901
Percentage of normal	(%)	99%	101%	102%	
Rate of refuse fired	(kg/hr)	11,430	11,413	11,299	11,166
Percentage of normal	(%)	102%	102%	101%	
Rate of aux. fuel fired (Natural Gas)	m^3/hr	117	0	6	135
Percentage of normal (%)	(%)	87%	0%	0%	

*Normal refers to the average operating rate from the previous 30 days

Table 9: Unit 3 Summary of Emission Test Results

Parameter	Run 1	Run 2	Run 3	Average
Test Date - Particulate/Metals	4-Feb-26	5-Feb-26	5-Feb-26	
Test Time - Particulate/Metals	10:21 - 12:22	09:32 - 11:33	11:43 - 13:45	
Duration - Minutes	120	120	120	
Test Date - Acid Gases	5-Feb-26	5-Feb-26	5-Feb-26	
Test Time - Acid Gases	10:45 - 11:45	11:55 - 12:55	13:05 - 14:05	
Duration - Minutes	60	60	60	
Stack Temperature (°C)	152	153	151	152
Average Gas Velocity (m/s)	14.4	14.2	14.0	14.2
Dry Flow Rate (Sm^3/min)	1263	1213	1217	1231
Moisture (Vol. %)	13.9	15.1	14.1	14.3
Oxygen (Vol. %)(dry basis)	10.23	10.1	9.8	10.0
Carbon Dioxide (Vol. %)(dry basis)	9.35	9.93	9.25	9.51
Particulate (mg/Sm^3 @ 11% O_2)	0.48	1.02	0.05	**0.52**
Hydrogen Fluoride (mg/Sm^3 @ 11% O_2)	0.242	0.261	0.255	**0.253**
Hydrogen Chloride (mg/Sm^3 @ 11% O_2)	17.0	43.1	18.1	**26.1**
Ammonia (mg/Sm^3 @ 11% O_2)	14.6	2.92	6.00	**7.83**
Nitrous Oxide (mg/Sm^3 @ 11% O_2)*	7.14	5.71	5.21	**6.02**
Total Hydrocarbons (mg/Sm^3 @ 11% O_2)	4.54	7.38	5.80	**5.91**
Trace Metals - Operational Certificate List (mg/Sm^3 @ 11% O_2)				
OC Class (Pb, As and Cr)	0.01092	0.00174	0.00126	**0.00464**
Aluminum (mg/Sm^3 @ 11% O_2)	0.01186	0.00657	0.00606	0.00816
Cadmium (mg/Sm^3 @ 11% O_2)	0.00008	0.00008	0.00008	0.00008
Lead (mg/Sm^3 @ 11% O_2)	0.0015	0.0005	0.0005	0.0008
Mercury (mg/Sm^3 @ 11% O_2)	0.00004	0.00004	0.00004	0.00004
Phosphorus (mg/Sm^3 @ 11% O_2)	0.00080	0.00082	0.00383	0.00182
Isokinetic Variation (%)	102	102	102	102

All data is corrected to standard conditions (S) of 20˚C, 101.325 kPa (dry) unless otherwise noted.

Table 10: Unit 3 Trace Metals Emissions (OC Class)

Metal	Test 1 (mg/m^3 @ 11% O_2)	Test 2 (mg/m^3 @ 11% O_2)	Test 3 (mg/m^3 @ 11% O_2)	Average (mg/m^3 @ 11% O_2)
OC Class				
Pb	0.00149	0.00049	0.00048	0.00082
As	0.00157	0.00099	0.00032	0.00096
Cr	0.00785	0.00026	0.00047	0.00286
Sum of OC Class	0.01092	0.00174	0.00126	0.00464
Other				
Al	0.01186	0.00657	0.00606	0.0082
Cd	0.00008	0.00008	0.00008	0.0001
P	0.00080	0.00082	0.00383	0.0018
Hg	0.00004	0.00004	0.00004	0.0000

All data is corrected to standard conditions (S) of 20˚C, 101.325 kPa (dry) unless otherwise noted.

Table 11: Unit 3 Detailed Trace Metals Emissions

Metal	Test 1 (mg/m^3 @ 11% O_2)	Test 2 (mg/m^3 @ 11% O_2)	Test 3 (mg/m^3 @ 11% O_2)	Average (mg/m^3 @ 11% O_2)
Pb	0.00149	0.00049	0.00048	0.00082
Sb	0.00329	0.00263	0.00167	0.00253
Cu	0.00013	0.00008	0.00008	0.00010
Mn	0.00090	0.00043	0.00035	0.00056
V	0.00032	0.00033	0.00032	0.00032
Zn	0.00731	0.00122	0.00061	0.00304
As	0.00157	0.00099	0.00032	0.00096
Cr	0.00785	0.00026	0.00047	0.00286
Co	0.00008	0.00008	0.00008	0.00008
Ni	0.00385	0.00074	0.00128	0.00195
Se	0.00048	0.00049	0.00048	0.00048
Te	0.00160	0.00181	0.00211	0.00184
Tl	0.00224	0.00049	0.00048	0.00107
Cd	0.00008	0.00008	0.00008	0.00008
Hg	0.00004	0.00004	0.00004	0.00004

All data is corrected to standard conditions (S) of 20˚C, 101.325 kPa (dry) unless otherwise noted.

Table 12: Unit 3 - Summary of Operating Data

Parameter		Run 1	Run 2	Run 3	Normal
Test Date - Particulate/Metals		4-Feb-26	5-Feb-26	5-Feb-26	
Test Time - Particulate/Metals		10:21 - 12:22	09:32 - 11:33	11:43 - 13:45	
Boiler Steam Production	(kg/h)	37,963	37,584	37,960	37,406
Percentage of normal	(%)	101%	100%	101%	
Boiler Secondary Combustion Zone Temp	(°C)	907	909	933	913
Percentage of normal	(%)	99%	100%	102%	
Rate of refuse fired	(kg/hr)	11,332	11,219	11,331	11,166
Percentage of normal	(%)	101%	100%	101%	
Rate of aux. fuel fired (Natural Gas)	m^3/hr	0	0	0	122
Percentage of normal (%)	(%)	0%	0%	0%	

*Normal refers to the average operating rate from the previous 30 days

4 DISCUSSION

All Units were in compliance with the applicable limits as set out in the Operating Certificate (OC) during the Q-1 2026 monitoring program.

When compared to the previous monitoring event conducted in November 2025, the Q-1 2026 results for filterable particulate matter increased from 0.52 to 1.14 mg/Sm³, while hydrogen fluoride increased from 0.102 to 0.26 mg/Sm³. The OC class metals sum (Pb, As, and Cr) increased from 0.0023 to 0.0037 mg/Sm³, with elevated contributions from arsenic and chromium, and a slight increase in lead. In contrast, mercury and cadmium concentrations exhibited minor decreases.

During the first site mobilization testing on Units 2 and 3 was completed. Operational issues resulted in the rescheduling and completion of Unit 1 on March 5-6, 2026.

As stated in Section 2.1, EPA Method 5/29 was modified slightly to accommodate performance based analytical protocols utilized in B.C. for trace metals sampling and analysis. The analytical modification consists of using volumes of recovery reagents different than the method stipulates. In order to validate (ie performance-based QA) the modification, sample Blanks and all samples were made up to the same volume, so that subtraction of the Blank data, was done on equivalent sample sizes. In addition, special Hg spiking of blank filters and peroxide solutions was conducted. This spiking is referred to as a “matrix spike” and is reported in Appendix B, Quality Control for mercury, where the recovery of spiked mercury was calculated to be an acceptable 85 to 115%. It should be noted that independent front half/back half analysis of all trace metals was conducted for this survey. In addition, individual quartz filter blanks were analyzed for each unit.

Sampling was conducted in accordance with their respective reference methods (EPA 29 except as discussed) and passed all appropriate quality assurance and quality control

criteria. None of the sample points on any of the three units were outside of the allowable +/- 10% for isokinetic rate.

During the monitoring, there were no environmental observations made that would impact the validity of the test program.

All sampling was conducted/supervised by certified emission testing personnel, using calibrated source sampling equipment and quality-controlled reagents. It is therefore stated that the survey and this report complies with MV's WTEF compliance testing requirements for this first survey in 2026.